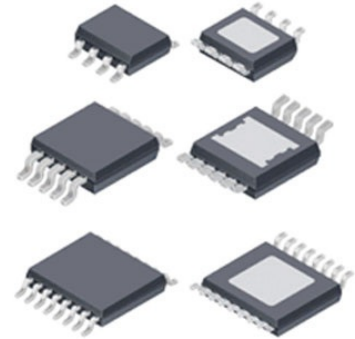


Analogue Comparator, Dual, High Speed, 2 Comparators, 4 ns, 2.7V to 12V, MSOP, 10 Pins

|               |                                     |
|---------------|-------------------------------------|
| Manufacturers | <a href="#">Analog Devices, Inc</a> |
| Package/Case  | MSOP-1                              |
| Product Type  | Comparator ICs                      |
| RoHS          | Pb-free Halide free                 |
| Lifecycle     |                                     |



Images are for reference only

Please submit RFQ for LT1715IMS#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT1715 is an UltraFast™ dual comparator optimized for low voltage operation. Separate supplies allow independent analog input ranges and output logic levels with no loss of performance. The input voltage range extends from 100mV below VEE to 1.2V below VCC. Internal hysteresis makes the LT1715 easy to use even with slow moving input signals. The rail-to-rail outputs directly interface to TTL and CMOS. The symmetric output drive results in similar rise and fall times that can be harnessed for analog applications or for easy translation to other single supply logic levels.

The LT1715 is available in the 10-pin MSOP package. The pinout of the LT1715 minimizes parasitic effects by placing the most sensitive inputs away from the outputs, shielded by the power rails.

For a dual/quad single supply comparator with similar propagation delay, see the LT1720/LT1721. For a single comparator with similar propagation delay, see the LT1719.

## Features

UltraFast: 4ns at 20mV Overdrive

150MHz Toggle Frequency

Separate Input and Output Power Supplies

Low Power: 4.6mA per Comparator at 3V

Pinout Optimized for High Speed Use

Output Optimized for 3V and 5V Supplies

TTL/CMOS Compatible Rail-to-Rail Output

Input Voltage Range Extends 100mV Below Negative Rail

Internal Hysteresis with Specified Limits

Specified for -40°C to 125°C Temperature Range

Available in the 10-pin MSOP Package

## Application

High Speed Differential Line Receivers

Level Translators

Window Comparators

Crystal Oscillator Circuits

Threshold Detectors/Discriminators

High Speed Sampling Circuits

Delay Lines

## Related Products



### [LTC1042CN8](#)

Analog Devices, Inc  
DIP8



### [LT1017IS8#PBF](#)

Analog Devices, Inc  
SOP8



### [LT1720CS8](#)

Analog Devices, Inc  
SOP8



### [LTC1540CMS8](#)

Analog Devices, Inc  
MSOP8



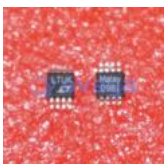
### [LT1719CS8](#)

Analog Devices, Inc  
SOP8



### [LT1018CS8](#)

Analog Devices, Inc  
SOP8



### [LT1713IMS8](#)

Analog Devices, Inc  
MSOP-8



### [LTC1540CS8](#)

Analog Devices, Inc  
SOIC8